

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query                      | DBs                                                                     | Default Operator | Plurals | Time Stamp          |
|-------|------|-----------------------------------|-------------------------------------------------------------------------|------------------|---------|---------------------|
| S2    | 267  | zhou guofu.in.                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/11<br>12:16 |
| S3    | 141  | yasui masaru.in.                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/11<br>12:17 |
| S4    | 382  | johnson mark t.in.                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/11<br>12:17 |
| S5    | 101  | zehner robert.in.                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/11<br>12:17 |
| S6    | 135  | amundson karl.in.                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/11<br>12:17 |
| S7    | 4    | "20020005832" or<br>"20020021483" | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/11<br>13:15 |
| S8    | 19   | "9953373" or "3079323"            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/11<br>13:15 |

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| S9  | 76     | "7012600"                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>13:16 |
| S10 | 2537   | 345/208,209,94,96.ccls.                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>15:51 |
| S11 | 195459 | electrophore\$5                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>15:51 |
| S12 | 1109   | 345/107.ccls.                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>15:51 |
| S13 | 304181 | alternat\$3 near2 (voltage\$1<br>or current\$1) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>15:51 |
| S14 | 191161 | reduc\$3 near3 voltage\$1                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>15:52 |
| S15 | 40     | S14 same S13 and (S10 or<br>S12)                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>15:52 |
| S16 | 570    | S13 same S11                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>15:57 |
| S17 | 82     | S16 and S12                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>15:57 |

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| S18 | 2130   | 359/267,296.ccls.                                                                                                                                                                                                                   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>16:05 |
| S19 | 25386  | ((set\$4 or preset\$3 or precharg\$3 or charg\$3) near3 (signal or voltage or potential or pulse)) with ((suppl\$4 or provid\$3 or output\$4) with ((pixel or cell or data or signal or column or image) near3 (electrode or line)) | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:20 |
| S20 | 195459 | electrophore\$5                                                                                                                                                                                                                     | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:22 |
| S21 | 419    | S19 and S20                                                                                                                                                                                                                         | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:22 |
| S22 | 887    | 349/86,89.ccls.                                                                                                                                                                                                                     | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:22 |
| S23 | 2537   | 345/208,209,94,96.ccls.                                                                                                                                                                                                             | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:22 |
| S24 | 1109   | 345/107.ccls.                                                                                                                                                                                                                       | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:22 |
| S25 | 39     | S21 and (S22 or S23 or S24)                                                                                                                                                                                                         | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:22 |

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| S26 | 3       | "20020044109"                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:47 |
| S27 | 1095036 | (common\$2 or counter\$4<br>near3 electrode or line)<br>same (alternat\$3 or polarity<br>or invert\$3 or inversion<br>near3 (voltage or signal))            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:52 |
| S28 | 26311   | S27 and S20                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:52 |
| S29 | 345     | S28 and (S22 or S23 or<br>S24)                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>08:52 |
| S30 | 6650    | (reduc\$3 or minimiz\$3 or<br>decreas\$3) with ((potential<br>or voltage) near9 ((pixel or<br>cell or picture or display\$3)<br>near3 (electrode or line))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>09:03 |
| S31 | 293     | S30 and (S22 or S23 or<br>S24)                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>09:03 |
| S32 | 39      | S31 and S20                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>09:05 |
| S35 | 0       | (10/574148).APP.                                                                                                                                            | USPAT; USOCR                                                            | ADJ | ON | 2009/06/12<br>10:29 |
| S36 | 1       | "10574146"                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>10:39 |

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| S37 | 108054 | electrophoretic or electro\$1optic                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/02/18<br>14:39 |
| S38 | 5174   | (common near2 (voltage or electrode)) with (ac or alternating current or ((alternat\$3 or revers\$3) near2 (voltage or polarity)))                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/02/18<br>14:40 |
| S39 | 138    | S37 and S38                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/02/18<br>14:40 |
| S40 | 4      | (ac or alternating current or ((alternat\$3 or revers\$3) near2 (voltage or polarity))) same (reduc\$4 near4 voltage near4 signal) and electrophoretic  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/02/19<br>09:49 |
| S41 | 5      | (ac or alternating current or ((alternat\$3 or revers\$3) near2 (voltage or polarity))) same3 (reduc\$4 near4 voltage near4 signal) and electrophoretic | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/02/19<br>09:50 |
| S42 | 16     | (ac or alternating current or ((alternat\$3 or revers\$3) near2 (voltage or polarity))) and (reduc\$4 near4 voltage near4 signal) and electrophoretic   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/02/19<br>09:51 |
| S43 | 23     | ("5648794"   "5670977"   "5835075"   "5903250"   "6025835"   "6043812"   "6215462"   "6229512"   "6400427").PN. OR ("6628258").URPN.                    | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2010/02/22<br>14:34 |
| S44 | 19     | electrophoretic and (frame inversion)                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/02/24<br>15:23 |
| S45 | 38     | (ac or alternating current or ((alternat\$3 or revers\$3) near2 (voltage or polarity))) with ((common or counter) near2 voltage) and electrophoretic    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/20<br>09:47 |

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| S46 | 2   | "7126577".pn.                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/20<br>09:51 |
| S47 | 146 | (ac or alternating current or<br>((alternat\$3 or revers\$3)<br>near2 (voltage or polarity)))<br>with ((common or counter)<br>near2 (electrode or<br>voltage)) and<br>electrophoretic | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/20<br>10:47 |
| S48 | 108 | S47 not S45                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/20<br>10:47 |
| S49 | 2   | "6512354".pn.                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/20<br>11:13 |
| S50 | 5   | "10277527"                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/20<br>11:13 |

### EAST Search History (Interference)

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